

SNC-CH240

Network HD Camera—V Series

SONY
make.believe

High-Quality 1080p HD Security Camera with View-DR Technology

- Excellent 1080p HD picture quality, supporting H.264 at 30 fps
- 3 Megapixel (1920 × 1440) maximum resolution
- Three codecs (H.264, MPEG-4, JPEG) and a dual streaming capability
- The “Exmor” CMOS sensor incorporated to realize high image quality and low noise



Key Features

- View-DR—Sony’s innovative Wide Dynamic Range technology—to capture objects clearly and adaptively even under very harsh severe backlight or highlight conditions.

View-DR



OFF



ON

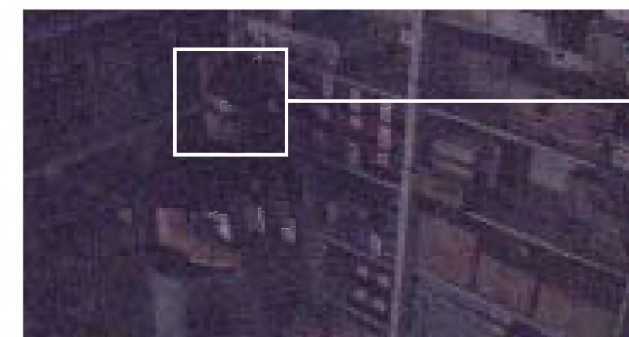
Actual Images

- Visibility Enhancer to optimize the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene, within the given dynamic range.
- Easy Focus function for easy installation.
- DEPA Advanced Intelligent Video and Audio Analytics to trigger an alarm, based on user-defined rules.

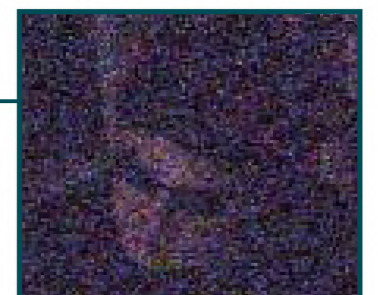


- Equipped with a CF slot for on-board recording and wireless operation capability with the optional SNCA-CFW5 802.11g card.

- Optical Day/Night function to switch to Day or Night mode depending on the light level.
- XDNR (eXcellent Dynamic Noise Reduction) technology for clear images without motion blur under low illumination.



OFF



ON



Actual Images

- Powered by either AC 24 V, DC 12 V, or PoE (Power over Ethernet) for easy installation.
- Equipped with a BNC connector to instantly monitor the video while installing the camera.
- ONVIF (Open Network Video Interface Forum) conformance that ensures greater interoperability and more flexibility in building multiple-vendor systems.



Connect Your Vision

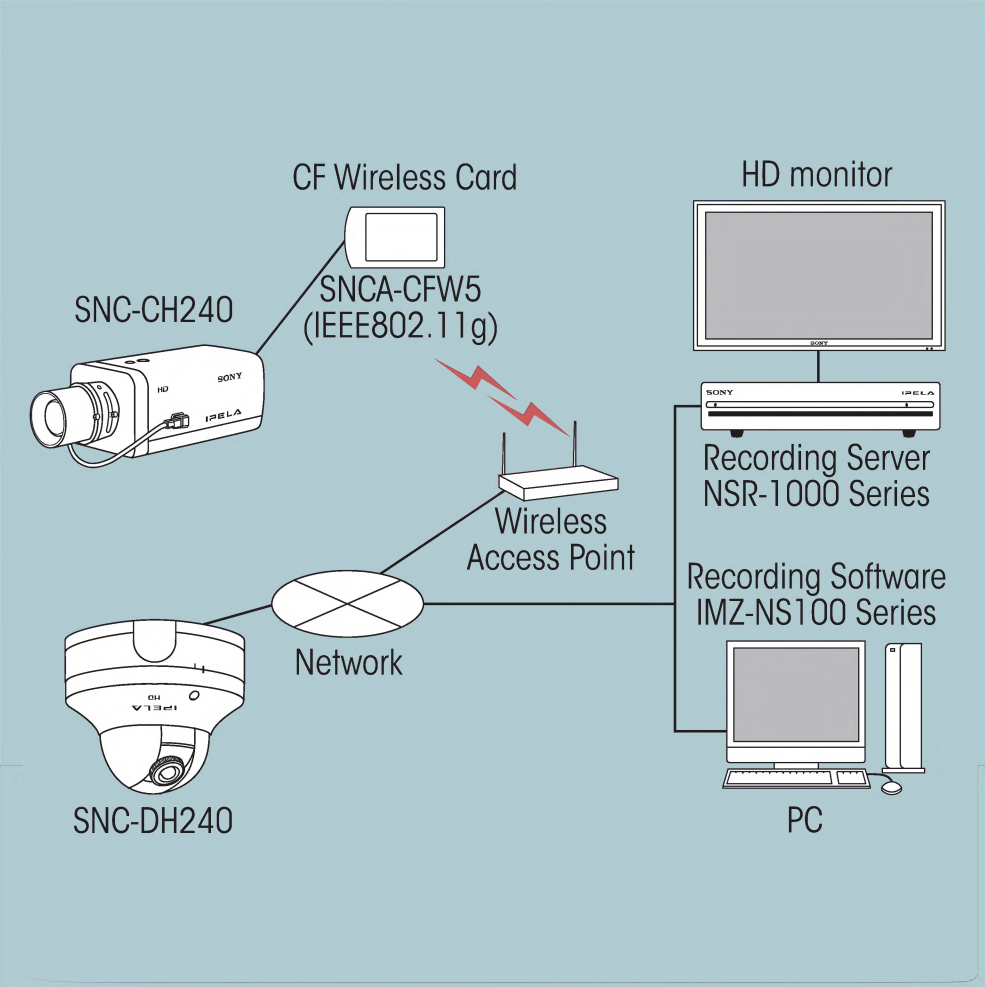
IPELA™

SPECIFICATIONS

SNC-CH240	
Camera	
Image device	1/2.8 type progressive scan "Exmor" CMOS sensor
Minimum illumination	Color: 0.55 lx, B/W: 0.3 lx (F1.3/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE [IP])
Number of effective pixels (H × V)	3.27 Megapixel (2096 × 1561)
Electronic shutter speed	1 s to 1/10000 s
Gain control	Auto (3 levels)
Exposure control	Auto, EV Compensation*1, Auto Slow Shutter*2
White balance mode	Auto (ATW, ATW-PRO), Preset, One-push WB, Manual
Lens type	CS mount lens
Zoom ratio	Optical 2.1X (×2 Digital Zoom)
Horizontal viewing angle	101.2 to 47.0 degrees
Focal length	f=2.8 to 6.0 mm
F-number	F1.3 (Wide), F1.9 (Tele)
Minimum objects distance	300 mm
Powered focus	Yes (Easy Focus)
Camera Features	
Day/Night*3	Yes
Wide-D	View-DR (84 dB:Theoretical)
Image enhancement	Visibility Enhancer
Noise reduction	XDNR
Image	
Codec image size (H × V)	1920 × 1440, 1600 × 1200, 1680 × 1056, 1920 × 1080, 1440 × 912, 1376 × 768, 1280 × 960, 1280 × 800, 1280 × 720, 1280 × 1024, 1024 × 768, 1024 × 576, 800 × 480, 768 × 576, 720 × 576, 704 × 576, 720 × 480, 640 × 480, 640 × 368, 384 × 288, 320 × 240, 320 × 192 (H.264, MPEG-4, JPEG)
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming
Maximum frame rate	H264: 20 fps (1920 × 1440) / 30 fps (1920 × 1080) MPEG-4: 15 fps (1920 × 1440) / 25 fps (1920 × 1080) JPEG: 10 fps (1920 × 1440) / 15 fps (1920 × 1080)
Audio	
Audio compression	G.711/G.726
Scene Analytics	
Intelligent motion detection	Yes (with built-in Post Filter)
Intelligent object detection	No
Rule filter	Yes
Network	
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
ONVIF conformance	Yes
Wireless network	Yes (with option*4)
Number of clients	10
Authentication	IEEE802.1X
Analog Video Output	
Signal system	NTSC / PAL
Horizontal resolution	600 TV lines
S/N ratio	More than 50 dB
Interface	
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Serial interface	No
Card slots	× 1
Analog video output	BNC × 1
Sensor input	× 1
Alarm output	× 2
External microphone input	Mini-jack (Monaural), MIC IN/LINE IN: 2.5VDC plug-in power
Audio line output	Mini-jack (Monaural), Max output level: 1 Vrms
General	
Mass	650 g (1 lb 7 oz)
Dimensions	72 × 63 × 197.3 mm (2 7/8 × 2 1/2 × 7 7/8 inches)
Power requirements	PoE, AC 24 V, DC 12 V
Power consumption	11.2 W max.
Starting temperature	0 to 50°C (32 to 122°F)
Working temperature	−10 to +50°C (23 to 122°F)
Storage temperature	−20 to +60°C (−4 to +140°F)
Safety regulation	UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A
System Requirements	
Operating system	Windows XP, Windows Vista, Windows 7
Processor	Intel Core2 Duo 2 GHz or higher
Memory	1 GB or more
Web browser	Microsoft Internet Explorer Ver6.0, 7.0, or 8.0
Supplied Accessories	
	CD-ROM (User's Guide, SNC Toolbox) Installation manual Wire rope M4 screw B&P Warranty Booklet

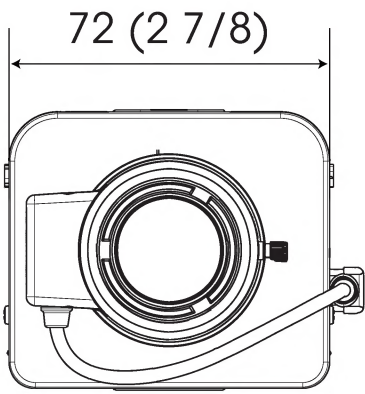
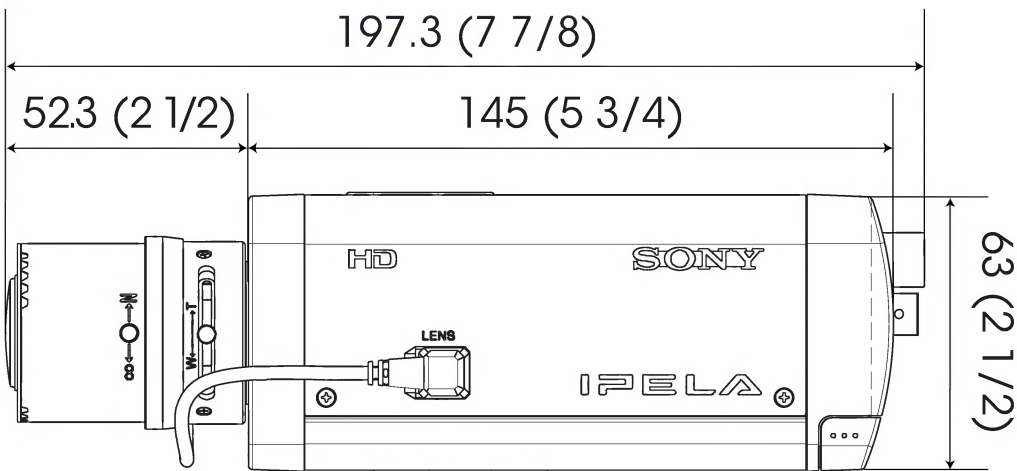
*1 VE off mode only. *2 View-DR off mode only. *3 Removable IR Cut Filter. *4 With optional SNCA-CFW5.
*The SNC-CH240 include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).

SYSTEM CONFIGURATION



DIMENSIONS

Unit: mm (inches)



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